

**Microorganisms Identified in Central Line-Associated Blood Stream Infections (CLABSI) in  
Illinois Hospital Intensive Care Units  
Reporting Period: 1/01/2016 - 12/31/2016**

A variety of organisms are found to contribute to central line-associated bloodstream infections (CLABSIs) in Illinois hospital intensive care units (ICUs). Table 1 and Figure 1 show the organisms identified in such infections in 2016. In 2016, there were 359 microorganisms identified in 317 central line-associated bloodstream infections indicating that some infections have more than one organism present. The most common were *Candida* species (25%), Coagulase-negative *Staphylococci* (11%), and *Enterococcus* species (15%), which collectively represents 51% of total central line-associated bloodstream infections in Illinois. MRSA accounted for 3% of total CLABSIs.

Since 2010, there were 3095 isolates of CLABSIs reported in NHSN, of which the most common microorganisms identified were *Candida* species, Coagulase-negative *Staphylococci*, and *Enterococcus* species. Figure 2 shows the organisms identified in CLABSIs in Illinois hospital ICUs from 2010-2016.

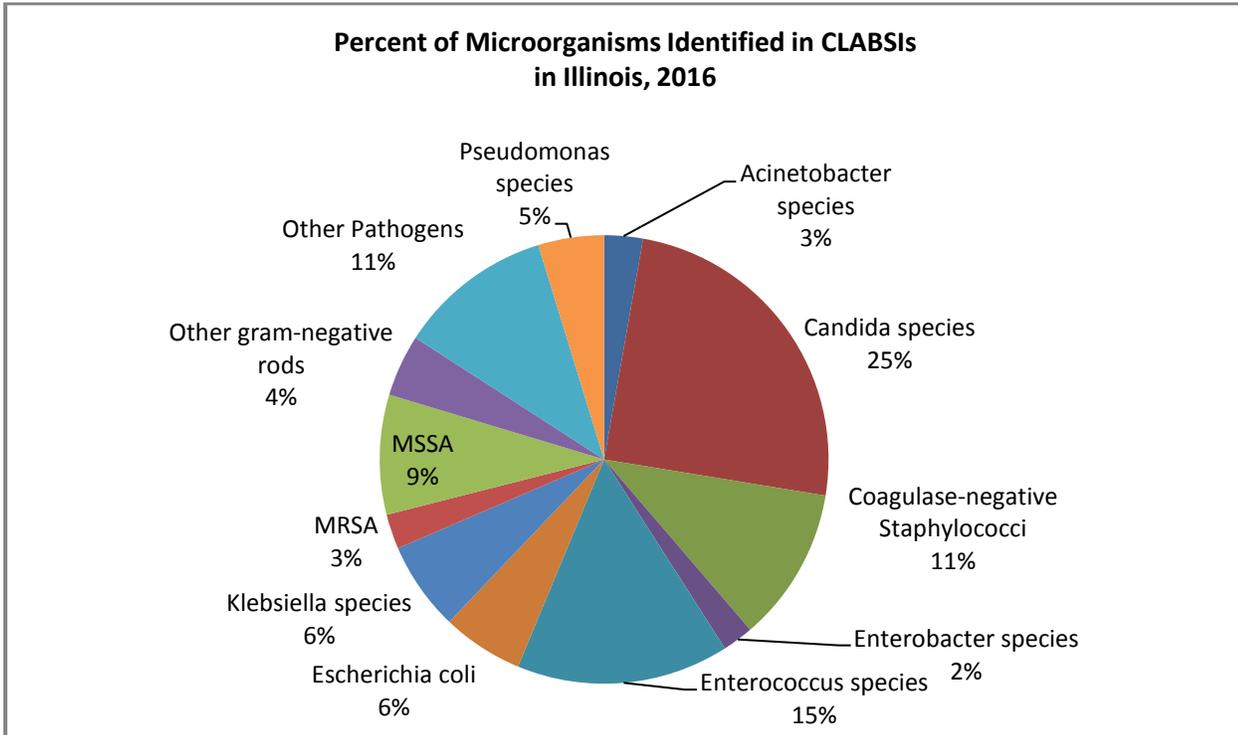
**Table 1. Identification of Isolates of CLABSI in 2016**

Pathogens	Number of Isolates	Percent of Infections
<b>Coagulase-negative <i>Staphylococci</i> (CNS)</b>	40	11%
<b>Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)</b>	9	3%
<b>Methicillin-susceptible <i>Staphylococcus aureus</i> (MSSA)</b>	31	9%
<b><i>Enterococcus</i> species</b>	55	15%
<b>Vancomycin-resistant <i>Enterococcus</i> (VRE)</b>	23	
<b><i>Candida albicans</i></b>	38	11%
<b>Other <i>Candida</i> species</b>	51	14%
<b><i>Enterobacter</i> species</b>	8	2%
<b><i>Klebsiella</i> species</b>	23	6%
<b><i>Pseudomonas</i> species</b>	17	5%
<b><i>Acinetobacter</i> species</b>	10	3%
<b><i>Escherichia coli</i></b>	21	6%
<b>Other gram-negative rods</b>	16	4%
<b>Other Pathogens</b>	40	11%
<b>Total</b>	<b>359</b>	<b>100%</b>

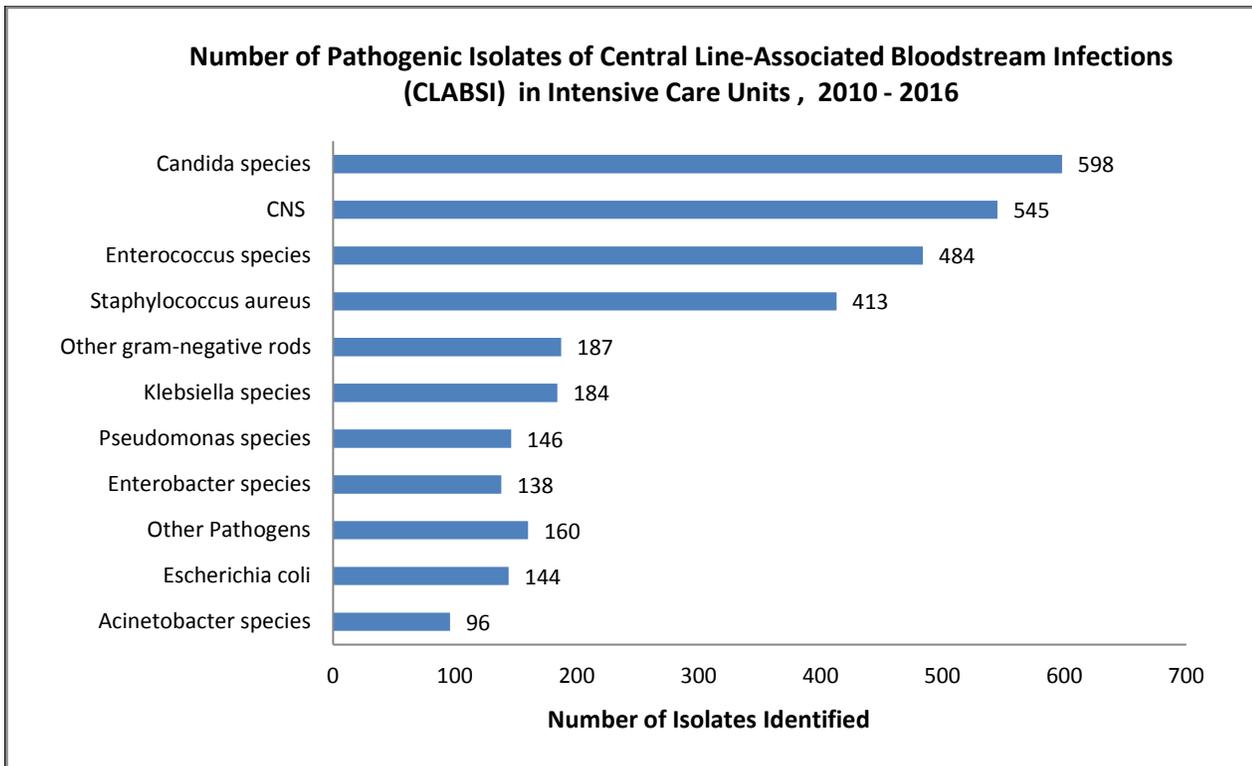
\* NHSN data reported as of November 28, 2017

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**Figure 1. Microorganisms Identified in CLABSIs in IL ICUs, 2016**



**Figure 2. Microorganisms Identified in CLABSIs in IL ICUs, 2010 – 2016**



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November, 2017**